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Estimation and Mapping of Soil Properties Based on Multi-Source Data Fusion

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Deadline for manuscript submissions:
closed (30 September 2020)

Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we are seeking original scientific contributions on new methods for the estimation and mapping of biological, physical, and chemical soil properties based on multi-source spatio-temporal data fusion techniques. The Special Issue is open to all scientists working in related fields, and submissions relevant to the topics listed below are welcome:

- Proximal soil sensing for the measurement and spatial modelling of soil properties (e.g., fertility, physical, chemical, contaminants)
- Remote sensing for the measurement and spatial modelling of soil properties (e.g., fertility, physical, chemical, contaminants)
- Modelling approaches for deriving new indices to estimate soil properties and/or soil processes
- The potential of multi-sensor techniques for deriving information on soils including decision-support tools
- Data-fusion approaches applied to proximal and remote sensing of soils
- Estimating and mapping soil-related yield limiting factors, including yield prediction
- The use of proximal and remote sensing in precision agriculture
- Measurement and mapping of soil contaminations including heavy metals and hydrocarbon contaminations